Application Serial No: 10/076,858 Attorney Docket No .: 51969 (ACT-183/184)

## Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

## Listing of Claims:

- 1-9. (Canceled)
- 10. (Currently Amended) A micromachined substrate comprising:
  - a wet-etched pit having a minimum and a maximum width; and a)
  - a dry-etched hole disposed in the wet-etched pit, wherein the dry-etched hole b) extends through the substrate and has a width less than or equal to the minimum width of the wet-etched pit.
- 11. (Previously Presented) The micromachined substrate of claim 10 wherein the substrate comprises <100> silicon.
- 12. (Currently Amended) The micromachined substrate of claim 10 wherein the wet-etched pit is an pits-are anisotropically wet\_etched pit pits.
- 13. (Currently Amended) The micromachined substrate of claim 10 wherein the dry-etched hole is centered in the wet-etched pit.
- 14. (Currently Amended) The micromachined substrate of claim 10 further comprising an optical fiber disposed in the dry-etched hole.
- 15. (Currently Amended) A micromachined structure, comprising: a substrate;

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- a first wet-etched pit disposed in the substrate;
- a second wet\_etched pit disposed in the substrate, the second wet-etched pit extending into the substrate a greater depth than the first wet-etched pit and comprising a flat surface parallel to the upper surface of the substrate; and
- a dry-etched pit disposed between, and adjacent to, the first and second wetetched pits.
- 16. (Previously Presented) The micromachined structure of claim 15, wherein the substrate comprises <100> silicon.
- 17. (Currently Amended) The micromachined structure of claim 15, wherein the first wet-etched pit comprises and second pits each comprise a flat surface parallel to the upper surface of the substrate.
- 18. (Currently Amended) The micromachined structure of claim 17, comprising at least one of a VCSEL or a photodetector mounted to the flat surface of the second wet-etched pit.
- 19. (Currently Amended) A The micromachined structure of claim 15, comprising: a substrate;
  - a first wet-etched pit disposed in the substrate;
  - a second wet-etched pit disposed in the substrate, the second wet-etched pit extending into the substrate a greater depth than the first wet-etched pit; and
  - a dry-etched pit disposed between, and adjacent to, the first and second wetetched pits:
  - wherein the dry-etched pit is disposed within the second wet-etched pit and wherein the dry-etched pit circumscribes the first wet-etched pit..
- 20. (Currently Amended) The micromachined structure of claim 15, wherein the first wet-etched pit comprises a V-shaped cross-section.

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- 21. (Currently Amended) A The micromachined structure of claim 20, comprising: a substrate;
  - a first wet-etched pit disposed in the substrate;
  - a second wet-etched pit disposed in the substrate, the second wet-etched pit

    extending into the substrate a greater depth than the first wet-etched pit;

    and
  - a dry-etched pit disposed between, and adjacent to, the first and second wetetched pits;
  - wherein the first wet-etched pit comprises a V-shaped cross-section and the second wet-etched pit comprises a pyramidal pit.
- 22. (Currently Amended) The micromachined substrate of claim 21, comprising a ball lens disposed in the second wet\_etched pit and an optical fiber disposed in the first wet\_etched pit.
- 23. (Currently Amended) The micromachined structure of claim 15, wherein the dryetched pit is a linear trench.
- 24. (Currently Amended) The micromachined substrate of claim 10 wherein the dry hole is disposed off-center in the wet<u>-etched</u> pit.
- 25. (Currently Amended) The micromachined structure of claim 10, wherein the wetetched pit comprises a V-shaped cross-section.
- 26. (Currently Amended) The micromachined structure of claim 25, comprising a plurality of dry-etched holes disposed in the wet\_etched pit.
- 27. (Currently Amended) The micromachined structure of claim 10, wherein the wetetched pit comprises a pyramidal pit.
- 28-30. (Canceled)